

# SONY TRINITRON<sup>®</sup> COMPONENT TV KX-2501A

US Model  
Chassis No. SCC-383B

## SCHEMATIC DIAGRAM

**SAFETY-RELATED COMPONENT WARNING !!**  
COMPONENTS IDENTIFIED BY SHADING AND MARK ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

- All capacitors are in  $\mu\text{F}$  unless otherwise noted. pF:  $\mu\text{F}$  50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms,  $\frac{1}{2}$  W unless otherwise noted. k: 1000  $\Omega$ , M: 1000 k $\Omega$ .
- Resistors on the BE and K boards are in ohms, 1/8W unless otherwise noted. k $\Omega$ : 1000 $\Omega$ , M $\Omega$ : 1000k $\Omega$ .
- ▬: nonflammable resistor.
- ⊕: fusible resistor.
- ⊖: internal component.
- : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by **[H]** in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by **[Z]**, make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by **[Z]** and repeat the adjustment until the specified value is achieved. (Refer to see page 13, 14.)

Part replaced ( [Z] )	Adjustment ( [H] )
R1584, R1593, R1595, R1596, R1597, R1598, R1599, R1600, R1601, R1602, R1603, R1604, R1605, R1606, R1607, R1608, R1609, R1610, D1529, D1530, D1532, Q1513, Q1514, Q1517, Q1518, Q1519, Q1520	R1602 Adjustment

- Voltagess are dc with respect to ground unless otherwise noted.
- Readings are taken with a 10M ohm-per-volt digital multimeter.
- : adjustment for repair.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- : B+ bus.
- : B- bus.
- Do not replace parts on E board, replace the complete circuit board only.
- no mark: common with composite signal
- ( ): D/RGB
- ( ): A/RGB

**CAUTION**  
This set is equipped with a polarized ac power cord plug (one blade of the plug is wider than the other). When replacing the ac power cord, be sure to connect it with specified part number as shown in this diagram.

Note:  
Arrange the leads connected to BA-3 so that they are as far away from DL301 as possible.

**CAUTION**  
When replacing either transistor Q1519 or Q1520, coincide hFE ranks of them.

**CAUTION**  
Be sure to connect the connector (IC-1) for safety.

**CAUTION**  
Do not replace parts on E board, replace the complete circuit board only.

H: See page 13-14.

SWTS POWL  
140V POWL to R6  
IC 651 M/S

NO AUDIO, WASHED OUT PIX  
NO PIX CONT.  
CHECK FOR +/- 12V SUPPLIES

